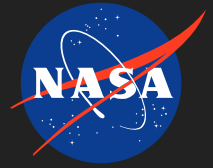


# ANSIBLE: A Network of Social Interactions for Bilateral Life Enhancement, Phase I

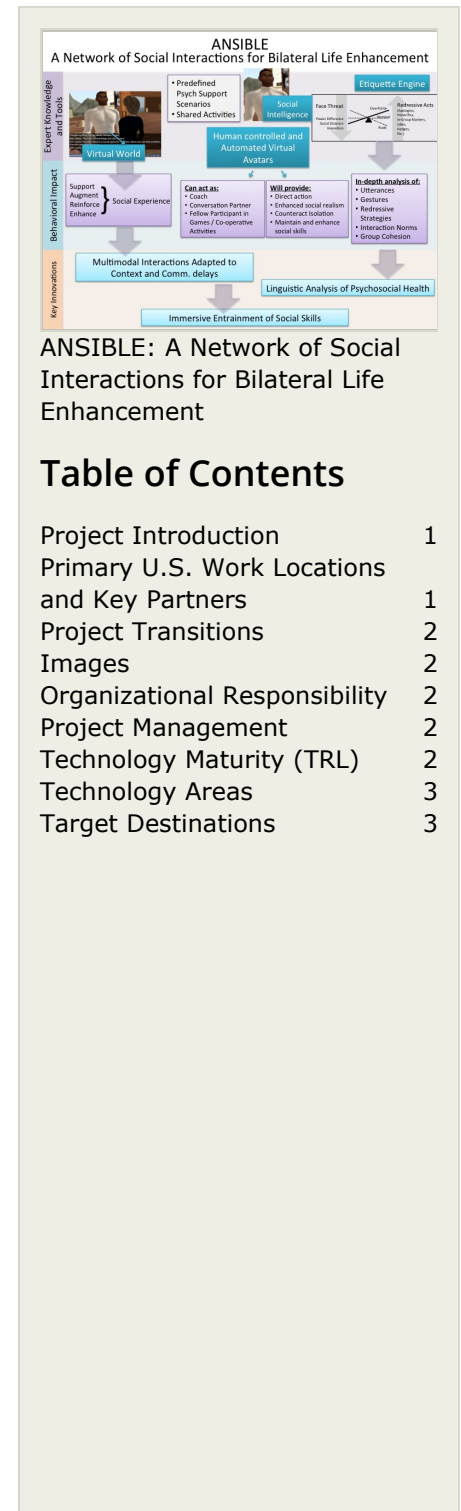
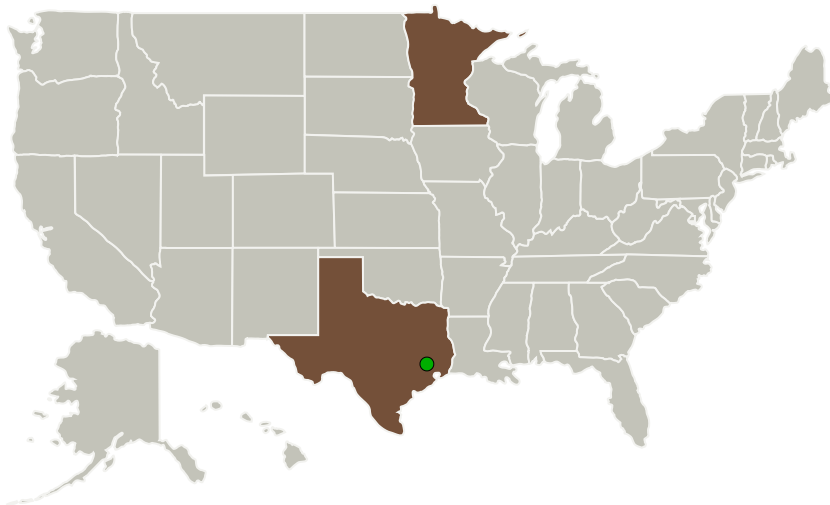
Completed Technology Project (2013 - 2013)



## Project Introduction

ANSIBLE (A Network of Social Interactions for Bilateral Life Enhancement) can be used pre, during, and post flight to connect the flight crew with their family, friends, and the ground crew to provide a sense of social consistency and permanence. ANSIBLE is a multi-modal toolset that 1) adapts, rearranges, and modifies human interaction streams to minimize the disruptive impact of communication latencies and 2) leverages virtual worlds (VW) to provide a space where humans and intelligent virtual agents (VA) can be companions, advisors, provided psychological support, and share experiences. VAs capable of detecting changes in astronaut psychosocial states can increase astronaut self-awareness, suggest countermeasures, and provide rehearsal scenarios to maintain and enhance interpersonal skills. University of Southern California(USC)'s Institute of Creative Technologies (ICT) have been at the forefront of applying VWs and VAs to training, therapy, and even detection of depression. SIFT will leverage its ongoing work with NASA's BHP group in unobtrusive detection of psychosocial dimensions, and work together with Dr. Jacquelyn Morie to apply and enhance these technologies to define the future social landscape that connects the flight crew with Earth.

## Primary U.S. Work Locations and Key Partners



## ANSIBLE: A Network of Social Interactions for Bilateral Life Enhancement, Phase I

Completed Technology Project (2013 - 2013)



Organizations Performing Work	Role	Type	Location
SIFT, LLC	Lead Organization	Industry	Minneapolis, Minnesota
● Johnson Space Center(JSC)	Supporting Organization	NASA Center	Houston, Texas

## Primary U.S. Work Locations

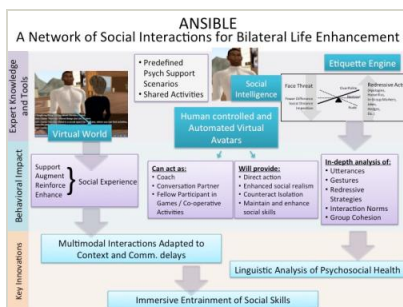
Minnesota	Texas
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## Project Transitions

**May 2013:** Project Start**November 2013:** Closed out**Closeout Documentation:**

- Final Summary Chart(<https://techport.nasa.gov/file/140388>)

## Images

**Project Image**

ANSIBLE: A Network of Social Interactions for Bilateral Life Enhancement

(<https://techport.nasa.gov/image/131350>)

## Organizational Responsibility

**Responsible Mission Directorate:**

Space Technology Mission Directorate (STMD)

**Lead Organization:**

SIFT, LLC

**Responsible Program:**

Small Business Innovation Research/Small Business Tech Transfer

## Project Management

**Program Director:**

Jason L Kessler

**Program Manager:**

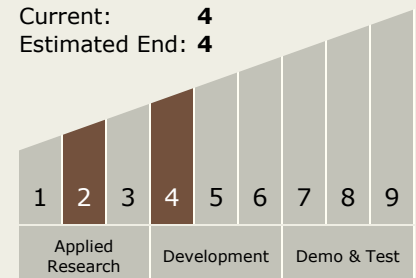
Carlos Torrez

**Principal Investigator:**

Peggy Wu

## Technology Maturity (TRL)

Start: 2  
 Current: 4  
 Estimated End: 4



# ANSIBLE: A Network of Social Interactions for Bilateral Life Enhancement, Phase I

Completed Technology Project (2013 - 2013)



## Technology Areas

### Primary:

- TX06 Human Health, Life Support, and Habitation Systems
  - └ TX06.3 Human Health and Performance
    - └ TX06.3.3 Behavioral Health and Performance

## Target Destinations

The Sun, Earth, The Moon, Mars, Others Inside the Solar System, Outside the Solar System